

Mole Intro Notes

Single = 1

Double = 2

Trio = 3

Dozen = 12

Mole = _____

1 mole of Calcium =

1 mole of Silver =

1 mole of Aluminum =

1 mole of Helium =

Molar mass = mass in 1 mole of a certain substance (in grams/mole)

***Use the periodic table

Molar mass of Calcium =

Molar mass of Silver =

Molar mass of Aluminum =

Molar mass of Helium =

Practice:

1. How many atoms are in 3.5 moles of Carbon?

2. How many atoms are in 5.2 moles of Fluorine?

3. Convert 7.8×10^{23} atoms of Lithium to moles.

4. Convert 2.8×10^{24} atoms of Potassium to moles.

5. Convert 3.2 moles of Carbon to grams.

6. Convert 7.7 moles of Iron to grams.

7. Convert 35 grams of Sodium to moles.

8. Convert 122 grams of Nickel to moles.

9. Convert 7.2×10^{24} atoms of Aluminum to grams.

10. Convert 5.5×10^{23} atoms of Neon to grams.

11. Convert 87 grams of Beryllium to atoms.

12. Convert 157 grams of Gold to atoms.